

Title (en)  
METHOD AND APPARATUS FOR POWER CONTROL OF PUCCH REPETITIONS

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR LEISTUNGSSTEUERUNG VON PUCCH-WIEDERHOLUNGEN

Title (fr)  
PROCÉDÉ ET APPAREIL DE COMMANDE DE PUISSANCE DE RÉPÉTITIONS DE PUCCH

Publication  
**EP 4140205 A4 20240110 (EN)**

Application  
**EP 20932097 A 20200422**

Priority  
CN 2020086121 W 20200422

Abstract (en)  
[origin: WO2021212363A1] Embodiments of the present disclosure are related to a method and apparatus for power control of a physical uplink control channel (PUCCH) repetition of a PUCCH transmission with one or more beams or multiple transmit-receive points (TRPs). A method according to an embodiment of the present disclosure includes: receiving configuration information regarding a plurality of PUCCH repetitions of a PUCCH transmission, wherein the configuration information includes a plurality of power control parameter sets corresponding to the plurality of PUCCH repetitions; determining power for each PUCCH repetition of the plurality of PUCCH repetitions according to the configuration information and a mapping relationship between the each PUCCH repetition and a power control parameter set of the plurality of power control parameter sets; and transmitting, by using the determined power for the each PUCCH repetition, the each PUCCH repetition in a time interval of a plurality of time intervals.

IPC 8 full level  
**H04W 52/28** (2009.01); **H04W 52/24** (2009.01); **H04W 52/32** (2009.01); **H04W 52/48** (2009.01); **H04W 52/54** (2009.01)

CPC (source: EP US)  
**H04W 52/08** (2013.01 - US); **H04W 52/146** (2013.01 - US); **H04W 52/242** (2013.01 - EP); **H04W 52/325** (2013.01 - EP);  
**H04W 52/36** (2013.01 - US); **H04W 52/48** (2013.01 - EP); **H04W 52/54** (2013.01 - EP)

Citation (search report)  
• [XII] US 2020068497 A1 20200227 - GONG ZHENGWEI [CA], et al  
• [XII] VIVO: "Further Discussion on Multi-TRP Transmission", vol. RAN WG1, no. Xi'an, China; 20190408 - 20190412, 7 April 2019 (2019-04-07), XP051699474, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings%5F3GPP%5FSYNC/RAN1/Docs/R1%2D1904096%2Ezip> [retrieved on 20190407]  
• [XII] LENOVO ET AL: "Discussion of multi-TRP/panel transmission", vol. RAN WG1, no. Reno, USA; 20191118 - 20191122, 8 November 2019 (2019-11-08), XP051819990, Retrieved from the Internet <URL:https://ftp.3gpp.org/tsg\_ran/WG1\_RL1/TSGR1\_99/Docs/R1-1912316.zip R1-1912316\_multi\_TRP\_v4\_final.docx> [retrieved on 20191108]  
• See also references of WO 2021212363A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2021212363 A1 20211028**; CN 115299121 A 20221104; EP 4140205 A1 20230301; EP 4140205 A4 20240110;  
US 2023156626 A1 20230518

DOCDB simple family (application)  
**CN 2020086121 W 20200422**; CN 202080098671 A 20200422; EP 20932097 A 20200422; US 202017920612 A 20200422